

J9CB 101 Briefing

“Investing in transformational ideas, innovative people, and actionable technology development for Chemical and Biological Defense solutions”

Dr. Ron Hann

Director

***Chemical and Biological Technologies
Department (J9-CB)***

Defense Threat Reduction Agency (DTRA)





DTRA Mission

“To safeguard the US and its Allies from Weapons of Mass Destruction (Chemical, Biological, Radiological, and Nuclear) and High-Yield Explosives by providing capabilities to reduce, eliminate and counter the threat, and mitigate its consequences”



Evolution of Expertise and Capabilities



DTRA's lineage dates to WWII "Manhattan Project"

Arms Control

Cooperative Threat Reduction

Nuclear Weapons Expertise



Combat Support



Countering WMD

- ***Worldwide***
- ***Ops planning & readiness***
- ***R&D products & capabilities***
- ***US Government collaboration***
 - ***COCOM execution***



1998



CBDRP



2003



1942

→ Today



DTRA J9CB Mission

“Lead DoD science and technology to anticipate, defend and safeguard against chemical and biological threats”



**Warfighter
Driven**



**Innovation
Driven**



**Strategy
Driven**



**Product
Driven**



**Performance
Driven**



**Collaboration
Driven**



**Warfighter
Delivered**

MISSION



Chemical and Biological Threats

- Chemical

- Traditional chemical warfare agents
 - (e.g., nerve agents, vesicants)
- Toxic industrial materials and toxic industrial chemicals
- Emerging and non-traditional agents



- Biological

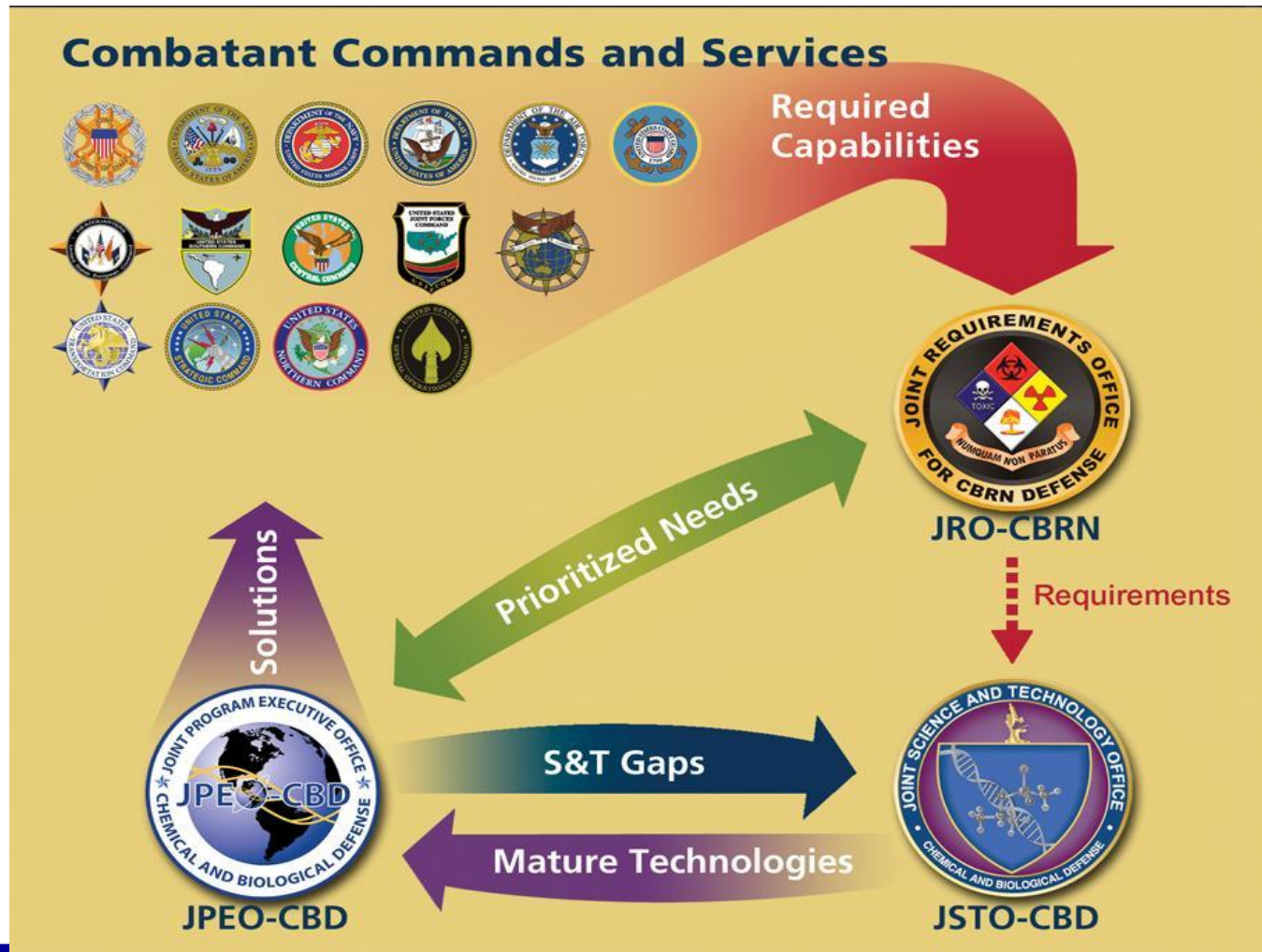
- Traditional biological threat agents
 - (e.g., anthrax and ebola)
- Emerging diseases
 - (e.g., pandemic flu, novel coronavirus)
- Enhanced threats
 - (genetically engineered or especially virulent)



Joint Science and Technology Office (JSTO)



*J9CB is the
Joint Science
and Technology
Office
for the CBDP*





Field Deployable Hydrolysis System

Concept to successful prototype in 6 months

- *Technology to destroy bulk chemical warfare agents*
- *Partnered with ECBC and JPEO/CBD*
- *Destroying the Syrian CW stockpile right now*



***Because our Servicemen and women are our
ultimate customers***



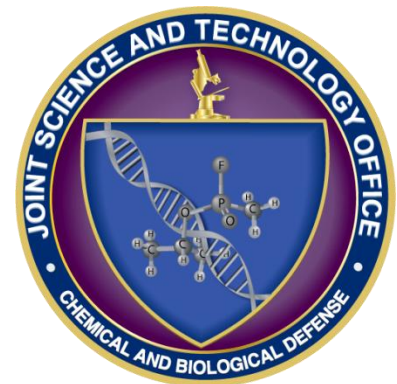
CHEMICAL & BIOLOGICAL DEFENSE

Doing Business With DTRA

Mr. Mark DeGroodt, Technical Program Manager

***Joint Science & Technology Office
for Chemical & Biological Defense***

Fort Belvoir, VA





Joint Service Chemical and Biological Defense Program

- Science & Technology portfolio consisting of:
 - Basic Research/Fundamental Research
 - Applied Research
 - Advanced Technology Development
- Coordinated & Managed by the Joint Science and Technology Office for Chemical and Biological Defense (JSTO-CBD) headquartered at the Defense Threat Reduction Agency (DTRA), Fort Belvoir, VA
- Competitive acquisition opportunities, solicited via:
 - Broad Agency Announcements (BAA)
 - Small Business Innovation Research (SBIR) / Small Business Technology Transfer (STTR) Programs



Acquisition Opportunities in the DTRA Chemical/Biological Technologies Department

- Broad Agency Announcements (BAA)
 - Advertised on the Federal Business Opportunities web-site: <http://www.fbo.gov>
 - May also be advertised on <http://www.grants.gov> (basic research)
 - Two-step proposal process for DTRA BAAs:
 - Phase I Quad Chart / White Paper (down-select phase)
 - Invited Phase II Full Proposal Package (technical; cost; supplemental info)
- Small Business Innovation Research (SBIR)/
Small Business Technology Transfer (STTR)
 - Advertised at <http://www.dodsbir.net>
 - Also see: <http://www.sbir.gov>
 - SBIR/STTR Phase I leads to a possible contract award, where as a DTRA BAA "Phase I" does NOT lead to an award
 - Chem-Bio Defense SBIR is separate from DTRA SBIR (both part of the DoD SBIR program)



Basic Research BAA

Solicitation: HDTRA1-11-16-BRCWMD-BAA

- In effect from March 2011 – September 2016; BAA posted at Grants.gov
- Multiple and consecutive Opening & Closing periods
 - At least one opportunity advertised annually by amendment to HDTRA1-11-16-BRCWMD-BAA
 - Amendments posted to grants.gov
- TRL = 1, ~2
- All applications MUST be submitted to www.grants.gov
- Resulting awards will be grants only
- Four categories of awards: Single Scope; Multidisciplinary; Young Investigator; Seed Awards
- Questions? For this BAA, ask at: HDTRA1-BRCWMD-A@dtra.mil



Fundamental Research BAA

Solicitation: HDTRA1-09-14-FRCWMD-BAA

Exploratory applied research that may have a basic research component

- BAA has been extended to accept pre-application White Papers through 30 September 2015
- Primarily grants to be issued via this acquisition vehicle
- BAA continuously OPEN for ideas
- HOWEVER – interested parties must first send e-mail (200 word max) to topic POC listed in BAA
- Based on interest of Portfolio Manager, a White Paper will then be invited
- Questions? For this BAA, ask at: HDTRA1-09-14-FRCWMD@dtra.mil



R&D Innovation and Systems Eng Office Science and Technology New Initiatives BAA Solicitation: HDTRA1-11-16-RDIS-BAA

Efforts that advance technical state-of-the-art or increase knowledge and understanding to combat WMD

- BAA continuously OPEN for ideas; Phase I (Quad Chart/ 2 Page White Paper) submissions may be made at any time
- TRL = 2-5
- 5 Topic Areas (Chemical/Biological, Counter WMD, Radiation/Nuclear, Reachback and Decision Support, and Treaty Verification/Compliance)
- Questions? For this BAA, ask at: HDTRA1-11-16-RDIS-BAA@dtra.mil



Chem-Bio Technologies BAA Solicitation: HDTRA1-14-CHEM-BIO-BAA

Chemical Biological Technologies Department BAA, FY2014 – FY2016 Program Build

- Applied Research & Advanced Technology Development
- Seeks R&D projects with strong technical merit valuable to program requirements and goals to improve military chemical and biological defense capabilities
- **Future amendments will include additional requirements (new topics)/Amendment 10 NOW OPEN thru 22 Dec 14**
- Access the BAA via FedBizOpps
 - User may set-up notification to be alerted when amendments are issued
- Parallel DoD/Government 'Service Call' for Government Labs



Chem-Bio Technologies BAA HDTRA1-14-CHEM-BIO-BAA (cont'd)

Chemical Biological Technologies Department BAA, FY2014 – FY2016 Program Build

- Amendment 10 – Topics to Support:
 - **DIAGNOSTICS, DETECTION AND DISEASE SURVEILLANCE DIVISION**
 - **TRANSLATIONAL MEDICINE DIVISION**
 - **ADVANCED AND EMERGING THREAT DIVISION**
 - **PHYSICAL SCIENCE & TECHNOLOGY DIVISION**
- Questions? For this BAA, ask at: CB-FY14-16BAA@dtra.mil
(NOTE: Questions regarding topics listed in Amendment 10 must be submitted No Later Than 3 December 2014)



Chemical/Biological Technologies Department

Ebola BAA

Solicitation: HDTRA1-15-EBOLA-BAA

Supports the development of near-term solutions to include therapeutic and vaccine candidates; diagnostic capabilities; modeling capabilities; and data gaps

- BAA continuously OPEN for ideas; Phase I (Quad Chart/ White Paper) submissions may be made at any time
- In effect from October 2014 – October 2016 (2-years) with the ability to award contracts for three years
- Questions? For this BAA, ask at: CB-FY15-EBOLA@dtra.mil



CBD SBIR Program

- FY15: CBD SBIR will participate in the DoD SBIR FY15.2 solicitation
- For small business eligibility, see:
<http://www.acq.osd.mil/osbp/sbir/sb/eligibility.shtml>
- Key Dates (DoD FY15.2 Solicitation)
 - Pre-Release: **24 April 2015** (topics issued; open communication with topic authors)
 - Open: **25 May 2015** (proposals accepted; direct communication with topic authors ends; Q&A by SBIR/STTR SITIS on-line system only)
 - Close: **6am Eastern Time, 24 June 2015** (proposal due)
- Must ONLY submit to DoD SBIR Proposal Submission Site:
 - <http://www.dodsbir.net/submission>



Web-sites of Key Importance

- DTRA Business Opportunities
<http://www.dtra.mil/Business/CurrentSolicitations.aspx>
- SBIR & STTR Programs
<http://www.sbir.gov>
<http://www.dodsbir.net>
<http://www.cbdsbir.com>
- DTRA BAA Proposal Submission
<http://www.dtrasubmission.net>
- DoD SBIR Proposal Submission (CBD & DTRA)
<http://www.dodsbir.net/submission>